FIG. 1A

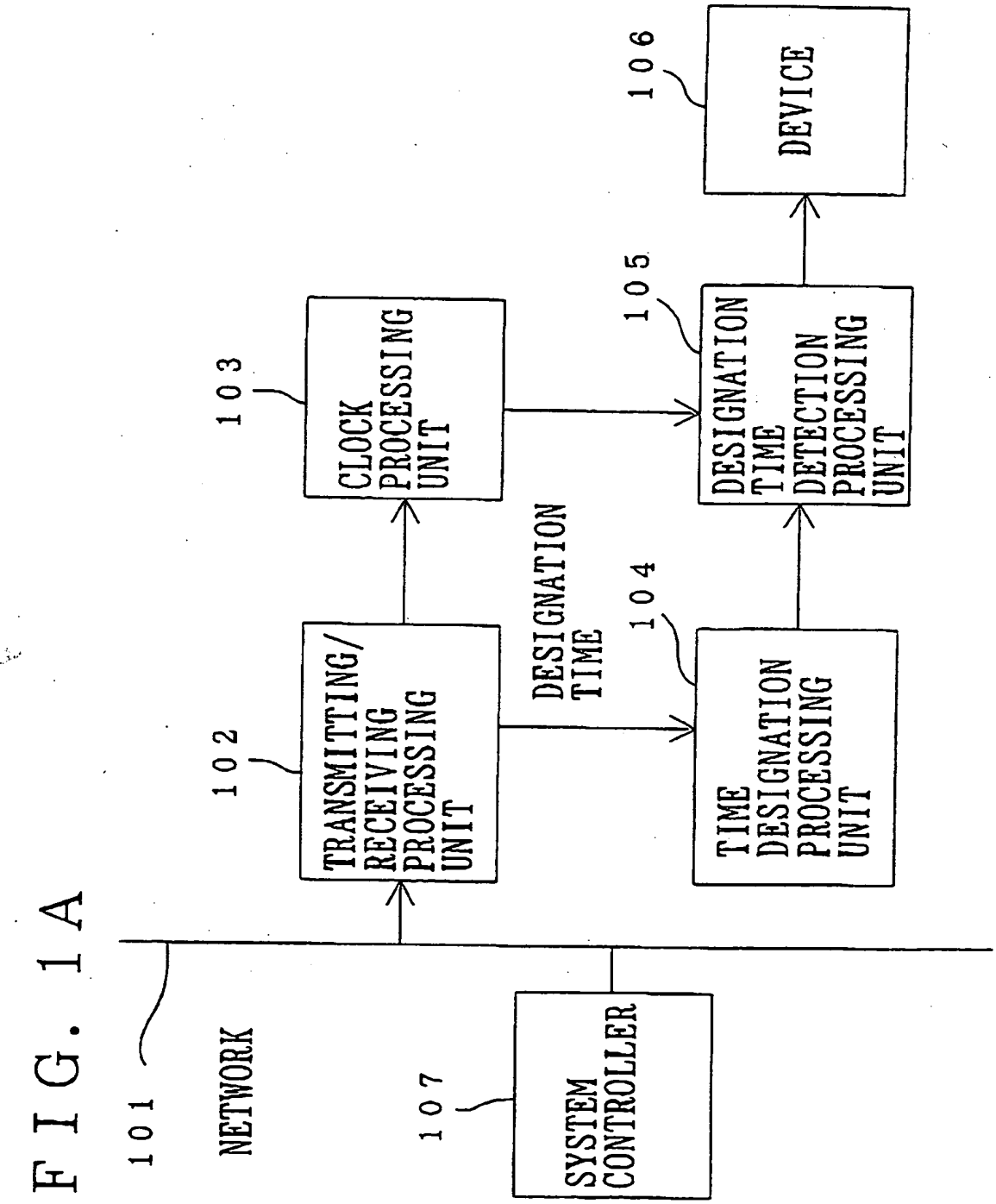

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FIG. 1B

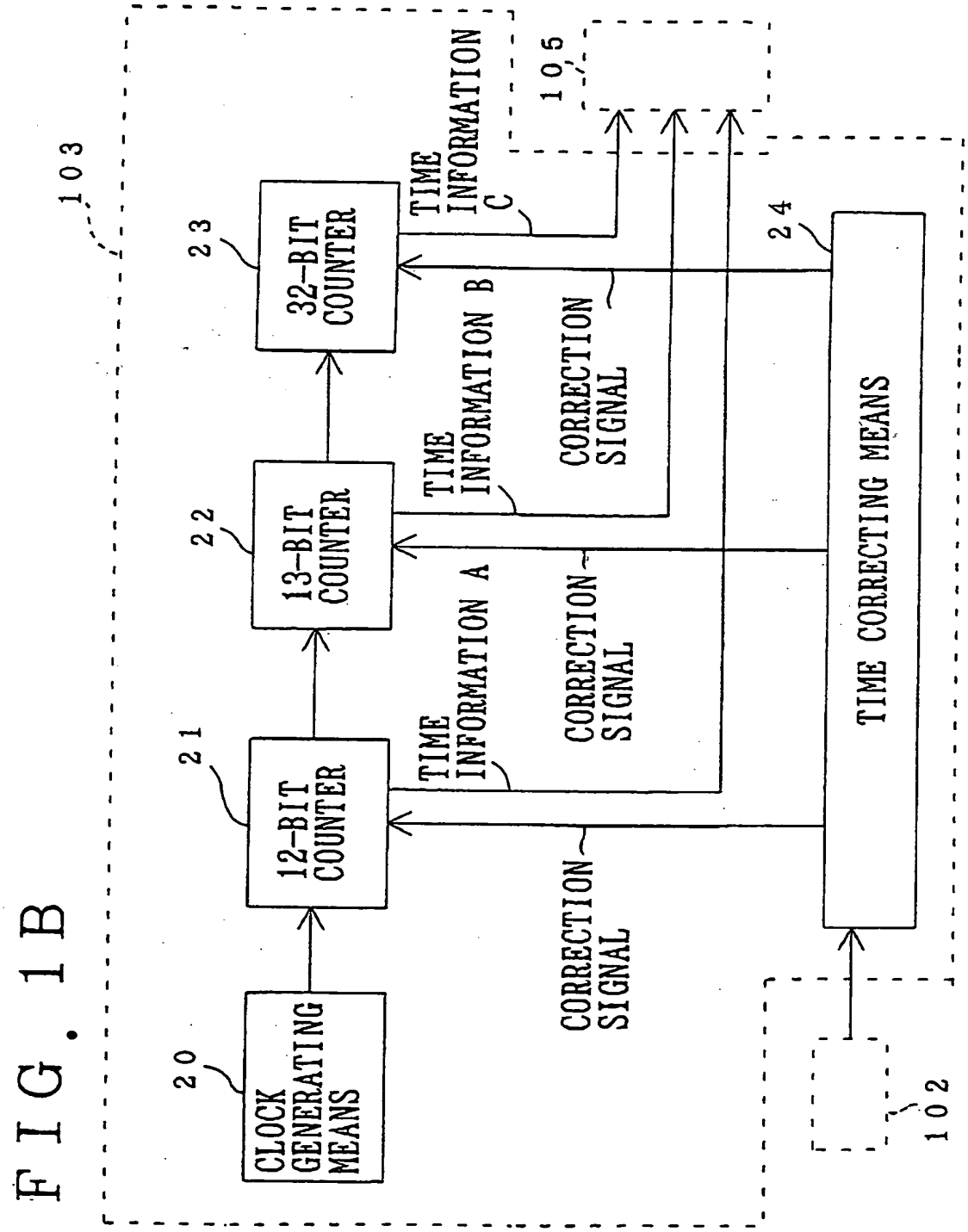
103
105
20
CLOCK GENERATING MEANS
21
12-BIT COUNTER
22
13-BIT COUNTER
23
32-BIT COUNTER
24
TIME CORRECTING MEANS
TIME INFORMATION A
TIME INFORMATION B
TIME INFORMATION C
CORRECTION SIGNAL
CORRECTION SIGNAL
CORRECTION SIGNAL
102

FIG. 1C

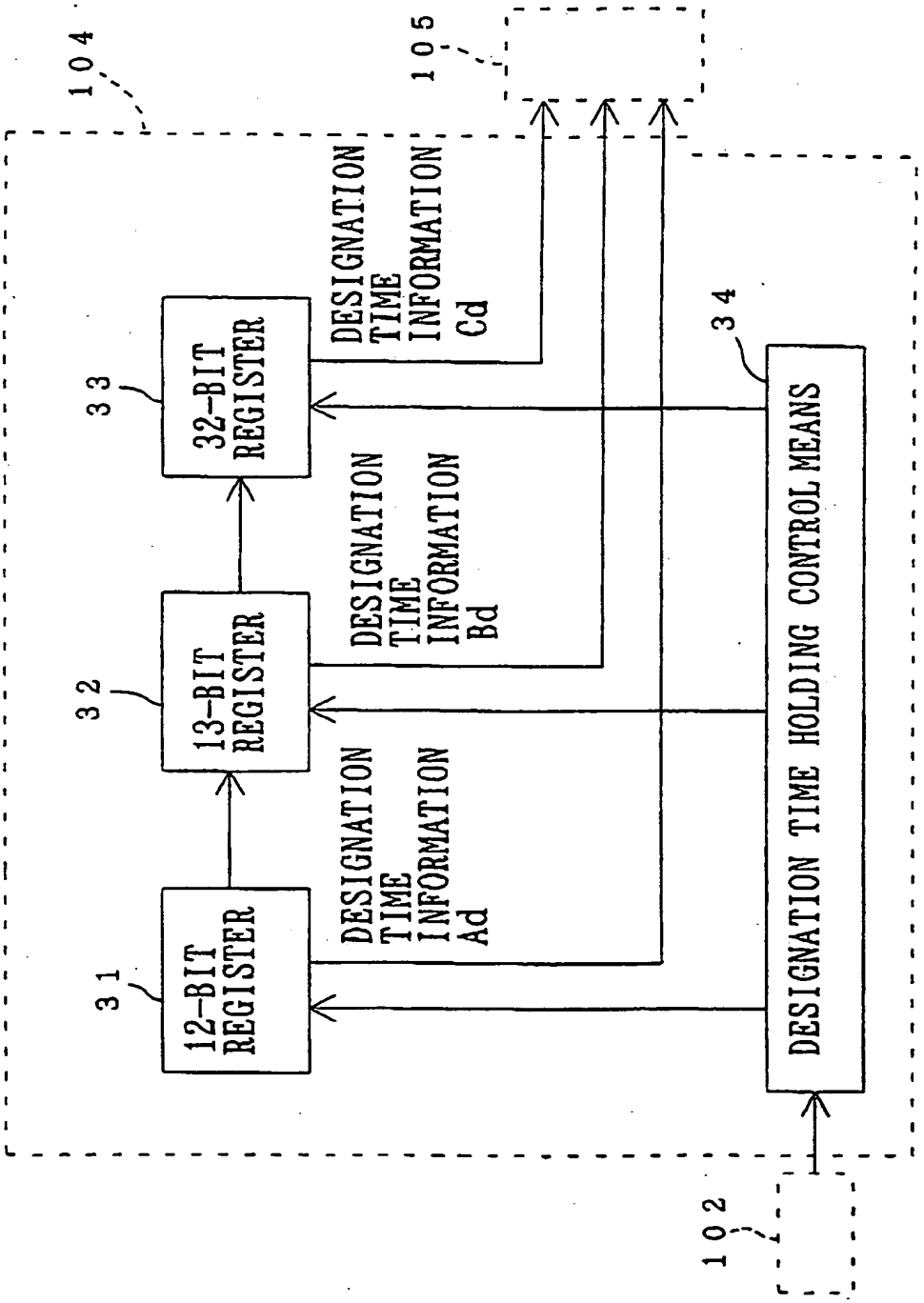
104
105
102
31
12-BIT REGISTER
32
13-BIT REGISTER
33
32-BIT REGISTER
34
DESIGNATION TIME INFORMATION Ad
DESIGNATION TIME INFORMATION Bd
DESIGNATION TIME INFORMATION Cd
DESIGNATION TIME HOLDING CONTROL MEANS

FIG. 1D

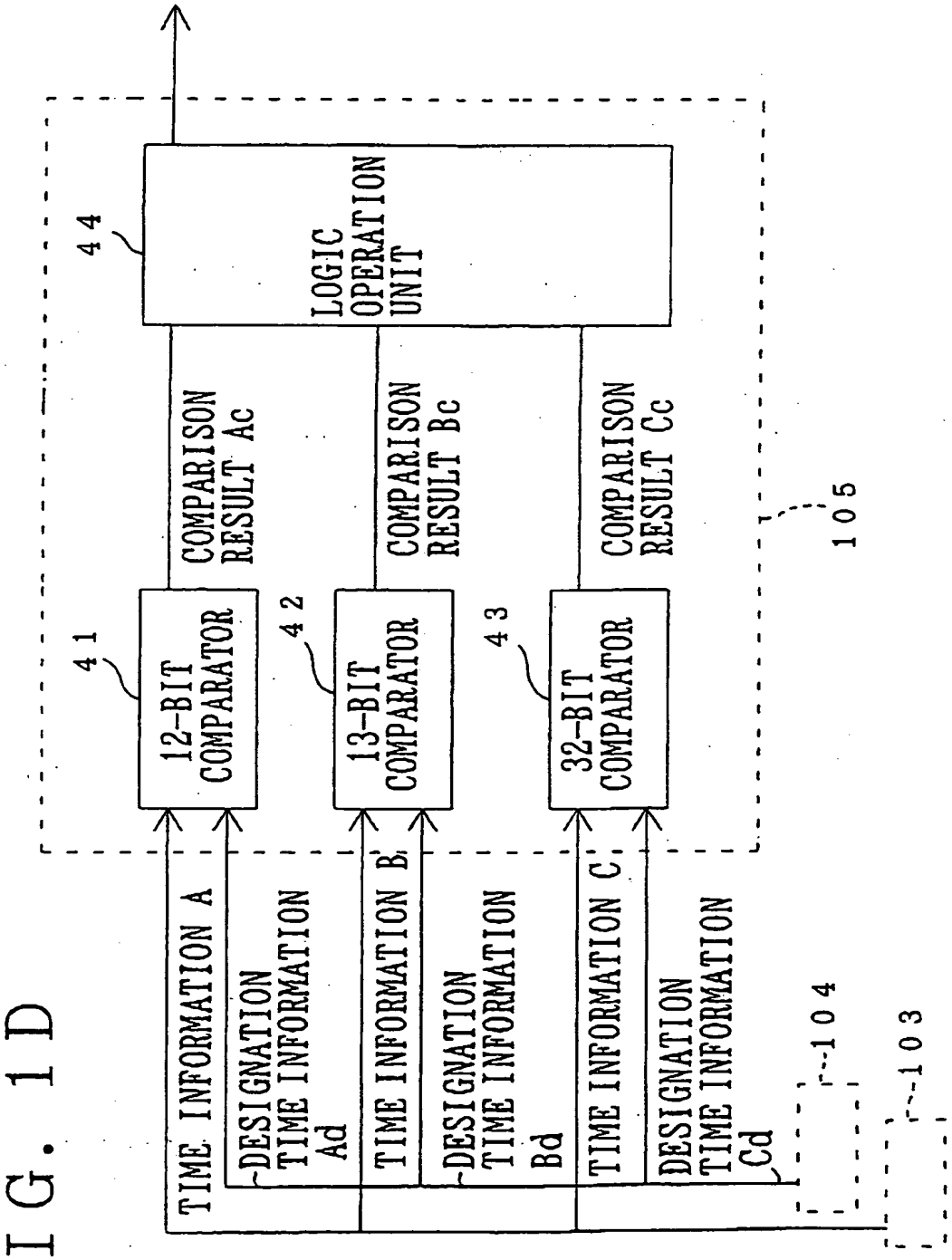
TIME INFORMATION A
DESIGNATION TIME INFORMATION Ad
TIME INFORMATION B
DESIGNATION TIME INFORMATION Bd
TIME INFORMATION C
DESIGNATION TIME INFORMATION Cd
12-BIT COMPARATOR
13-BIT COMPARATOR
32-BIT COMPARATOR
41
42
43
COMPARISON RESULT Ac
COMPARISON RESULT Bc
COMPARISON RESULT Cc
LOGIC OPERATION UNIT
44
105
104
103

FIG. 2

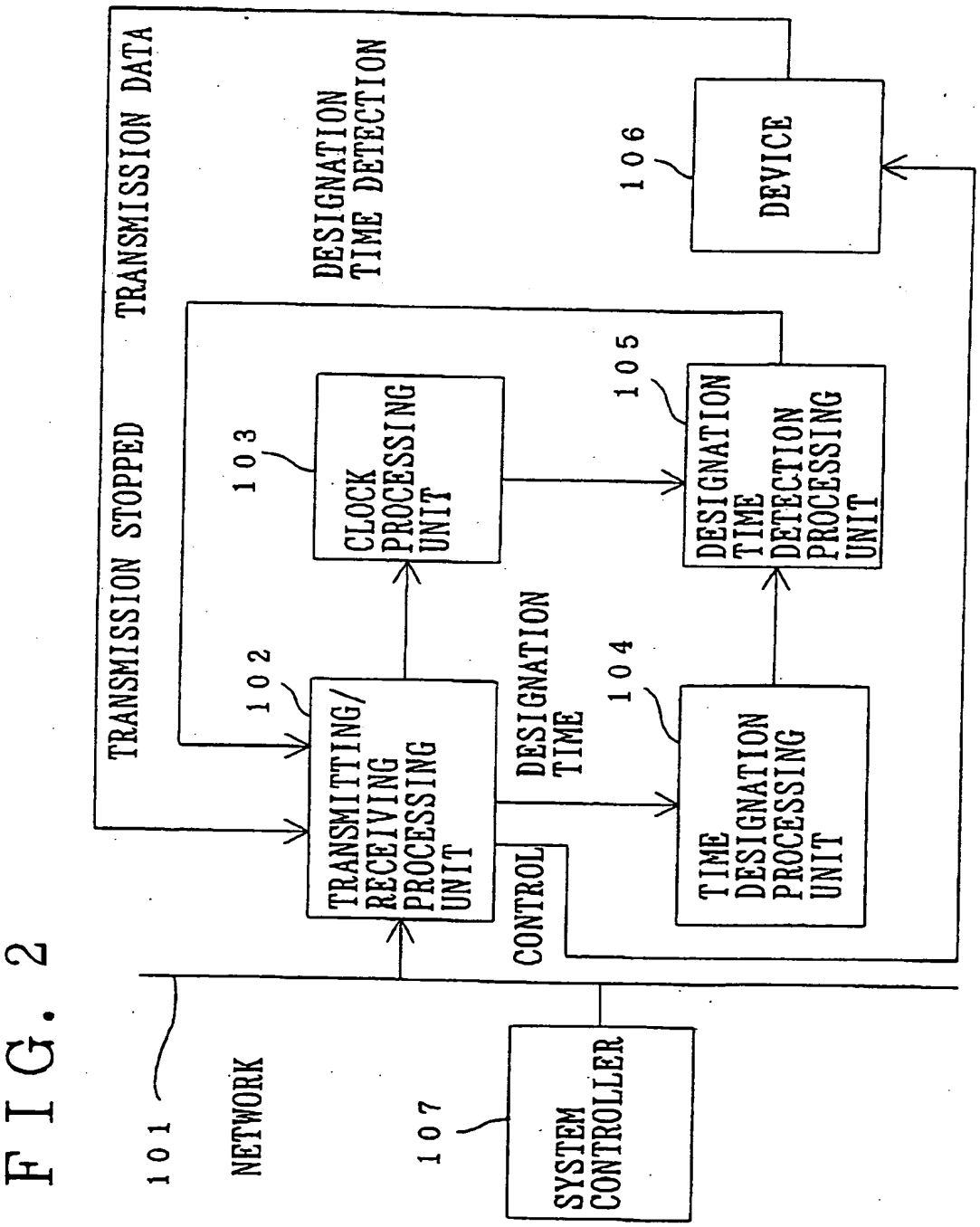
TRANSMISSION STOPPED
TRANSMISSION DATA
DESIGNATION TIME DETECTION
101
NETWORK
102
TRANSMITTING/ RECEIVING PROCESSING UNIT
103
CLOCK PROCESSING UNIT
104
DESIGNATION TIME
TIME DESIGNATION PROCESSING UNIT
105
DESIGNATION TIME DETECTION PROCESSING UNIT
106
DEVICE
107
SYSTEM CONTROLLER
CONTROL

FIG. 3

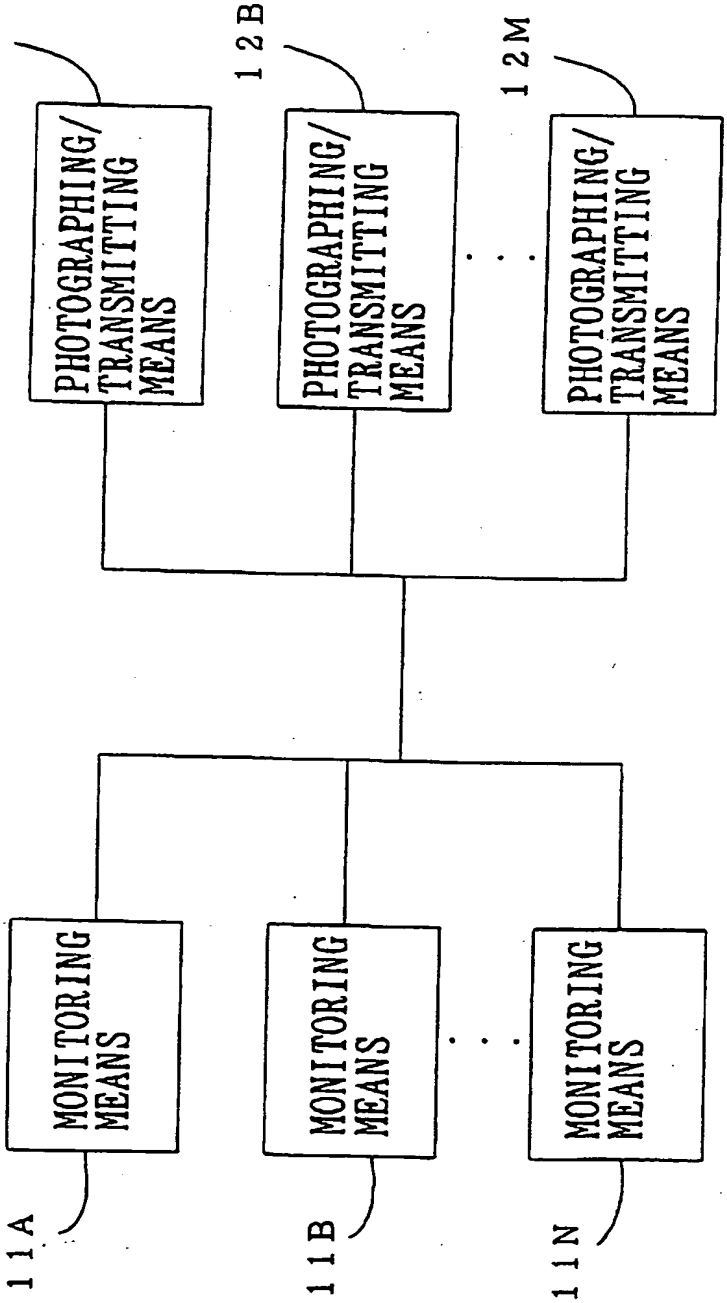
12A
12B
12M
PHOTOGRAPHING/ TRANSMITTING MEANS
PHOTOGRAPHING/ TRANSMITTING MEANS
PHOTOGRAPHING/ TRANSMITTING MEANS
MONITORING MEANS
MONITORING MEANS
MONITORING MEANS
11A
11B
11N

FIG. 4

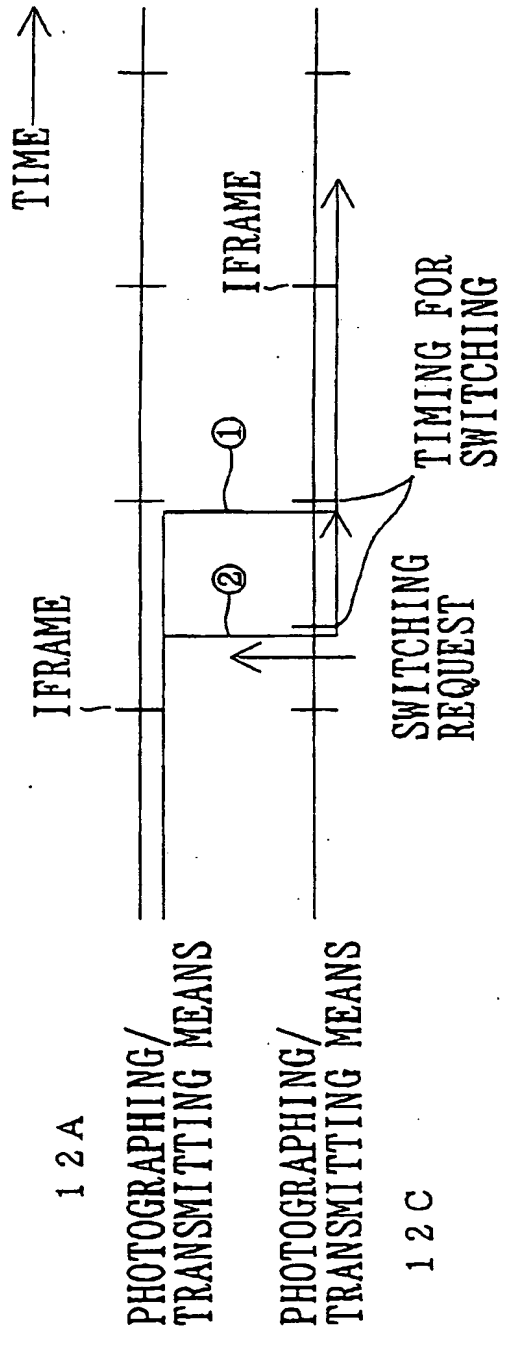
TIME
IFRAME
IFRAME
①
②
TIMING FOR SWITCHING
SWITCHING REQUEST
PHOTOGRAPHING/ TRANSMITTING MEANS
12A
PHOTOGRAPHING/ TRANSMITTING MEANS
12C

FIG. 5

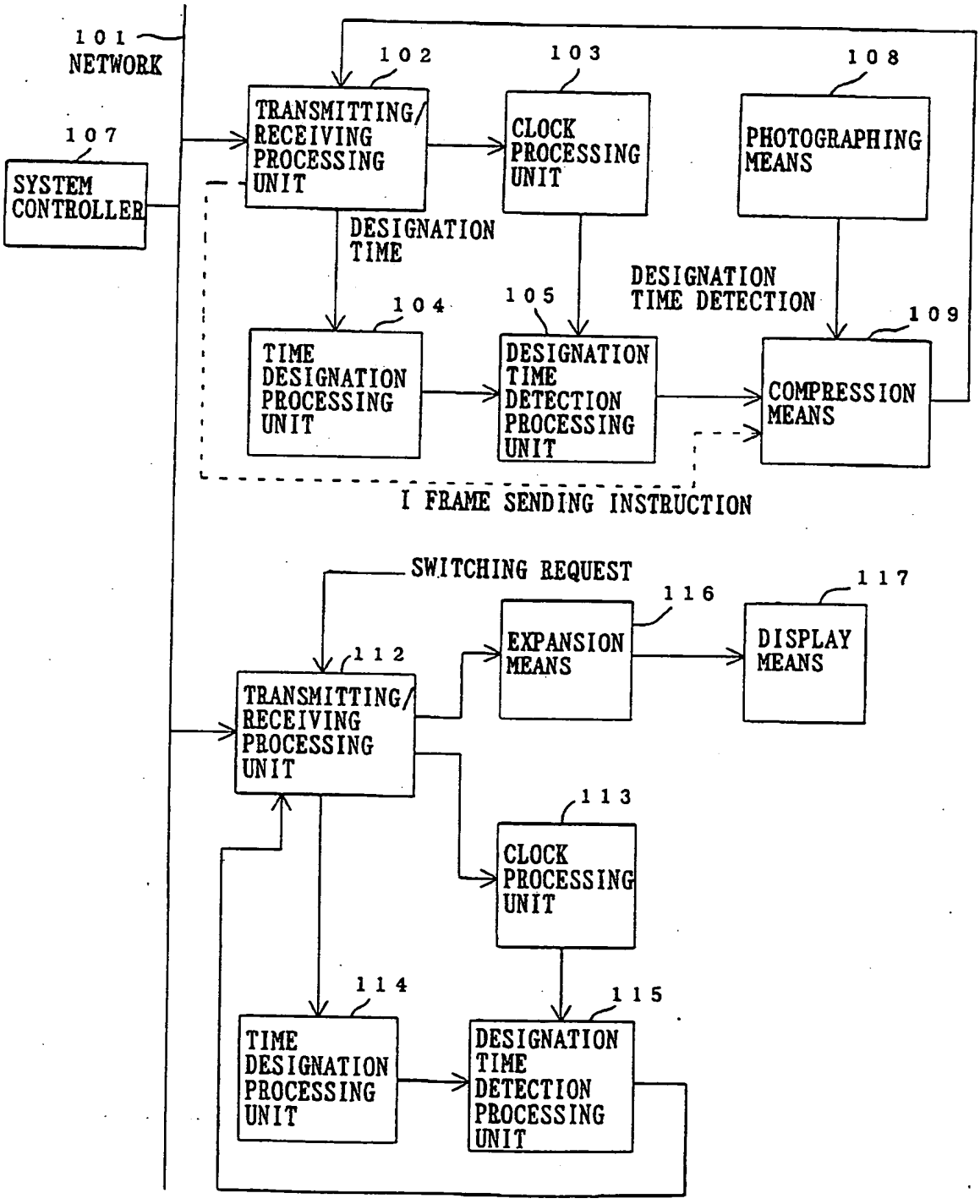

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FIG. 6

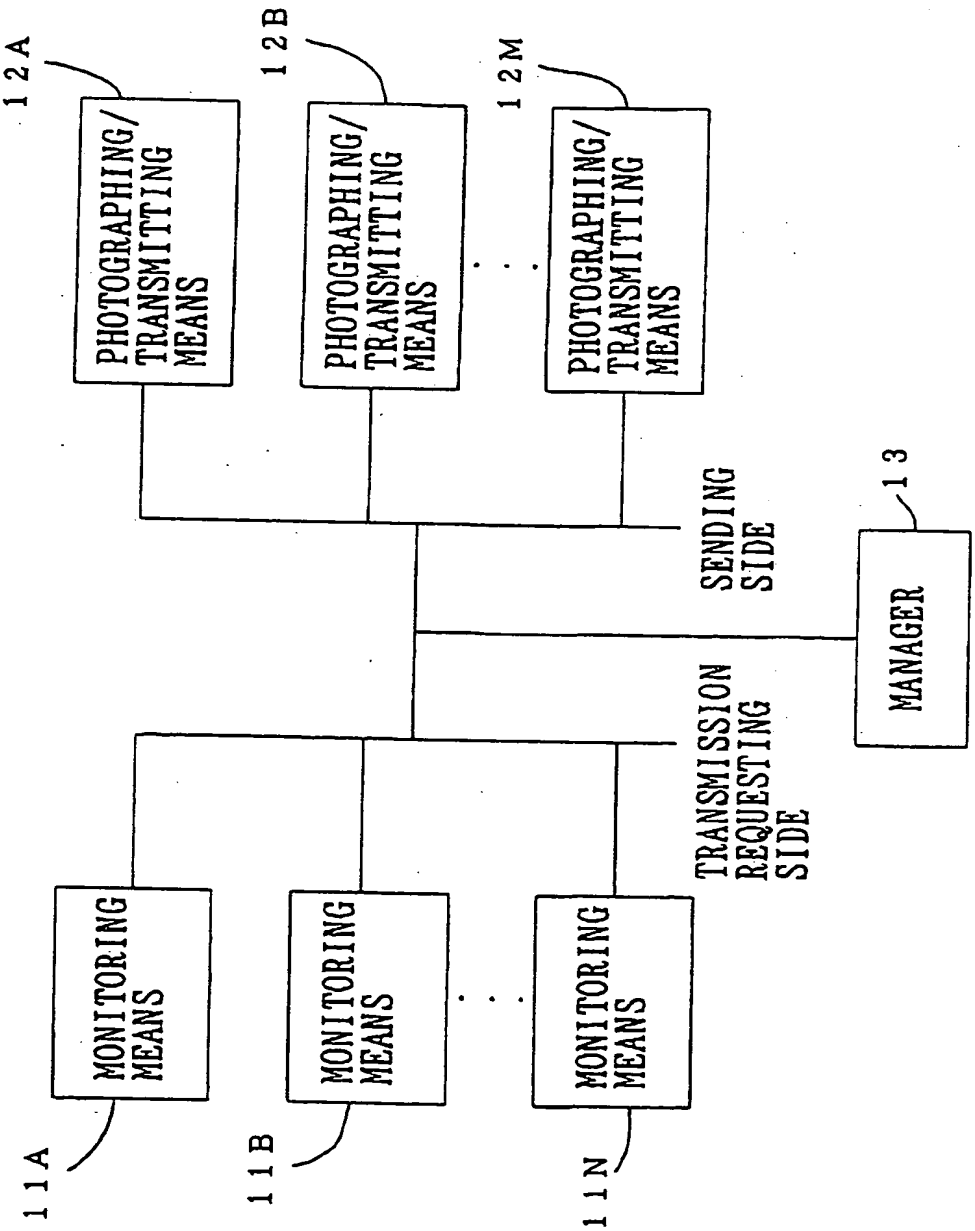
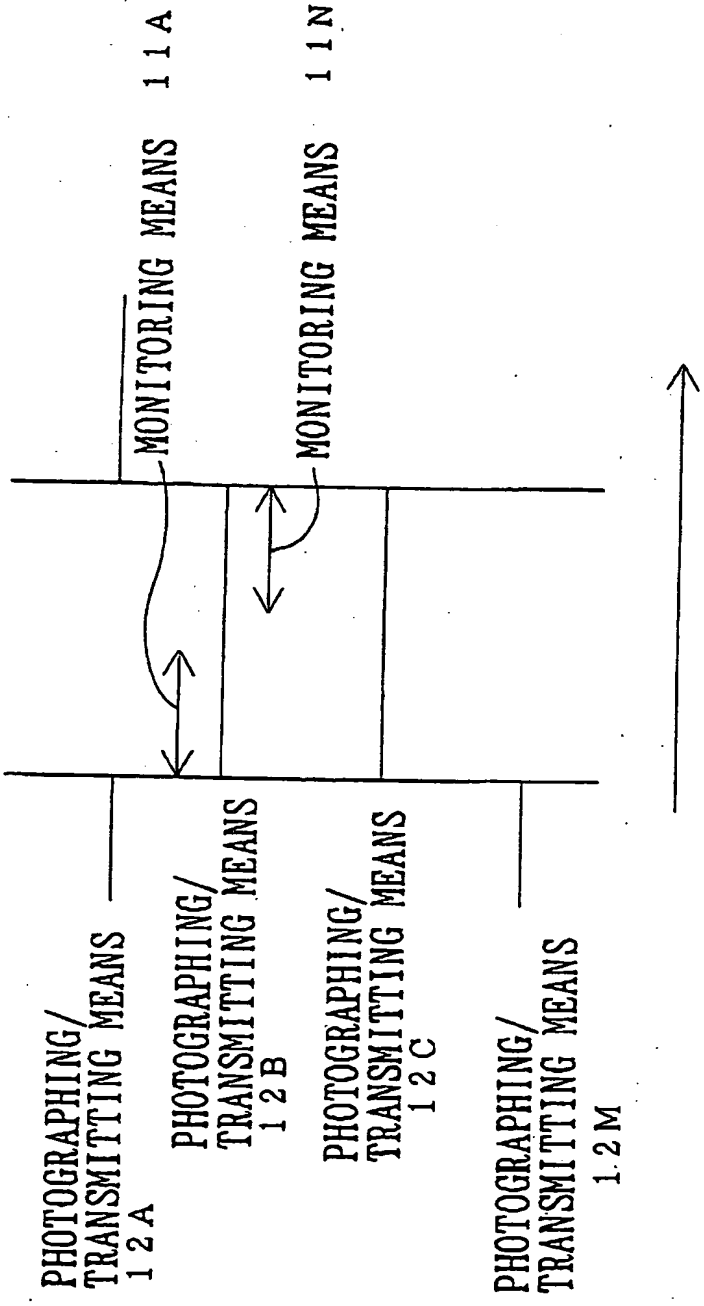

12A
12B
12M
PHOTOGRAPHING/ TRANSMITTING MEANS
PHOTOGRAPHING/ TRANSMITTING MEANS
PHOTOGRAPHING/ TRANSMITTING MEANS
SENDING SIDE
13
MANAGER
TRANSMISSION REQUESTING SIDE
MONITORING MEANS
MONITORING MEANS
MONITORING MEANS
11A
11B
11N

FIG. 7

EXAMPLE OF SCHEDULING



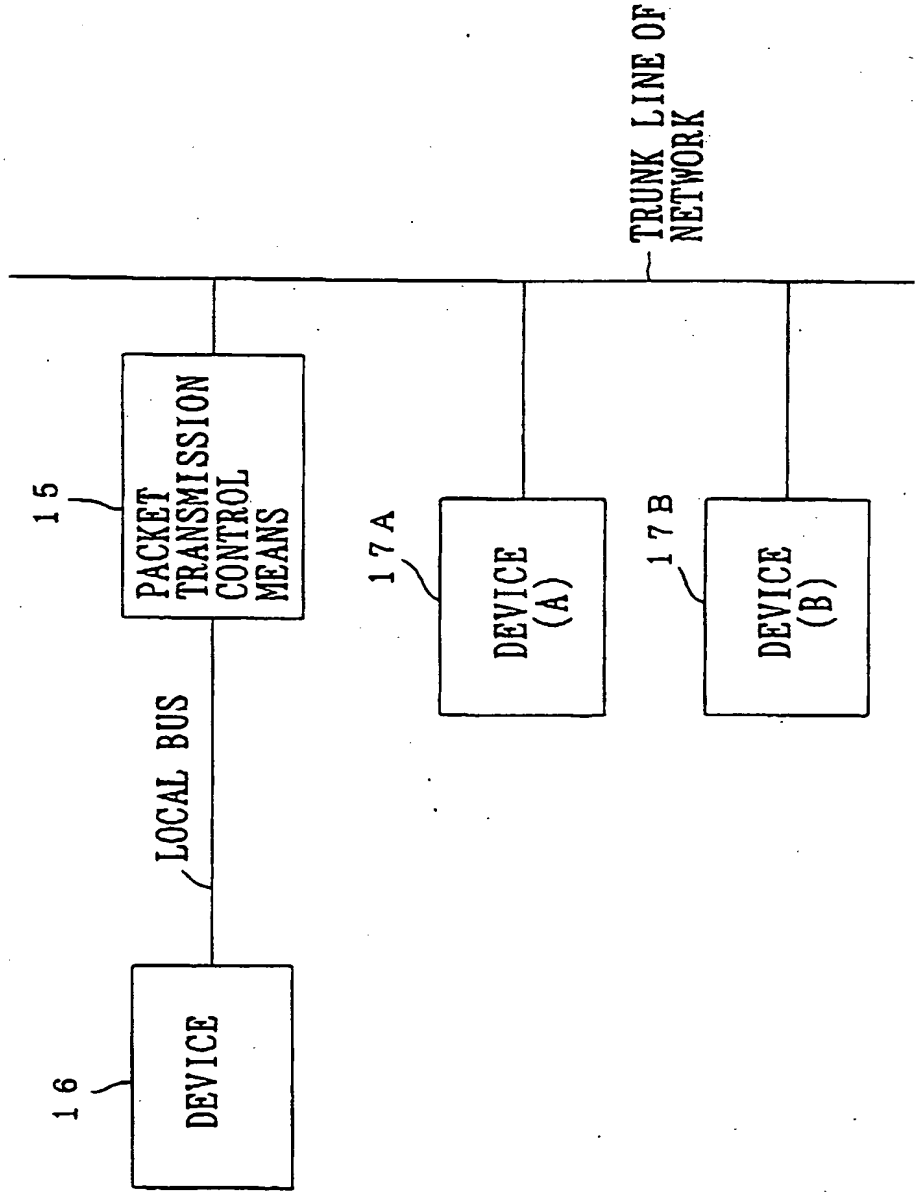

TRUNK LINE OF NETWORK
15
PACKET TRANSMISSION CONTROL MEANS
LOCAL BUS
16
DEVICE
17A
DEVICE (A)
17B
DEVICE (B)

FIG. 8

FIG. 9

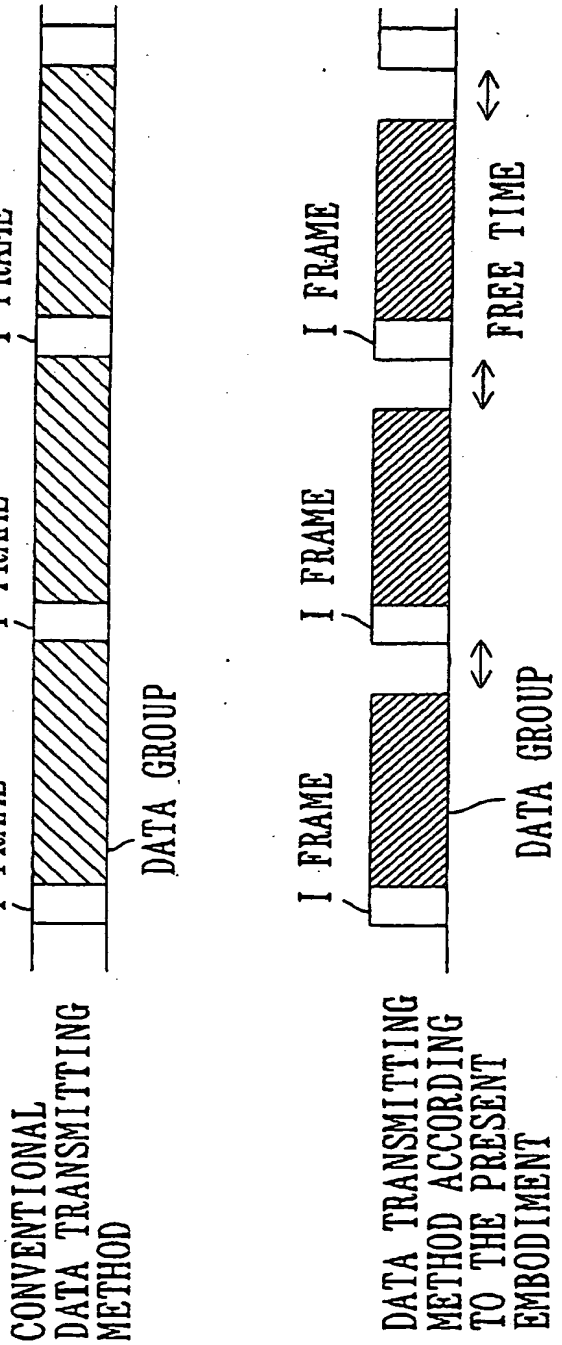
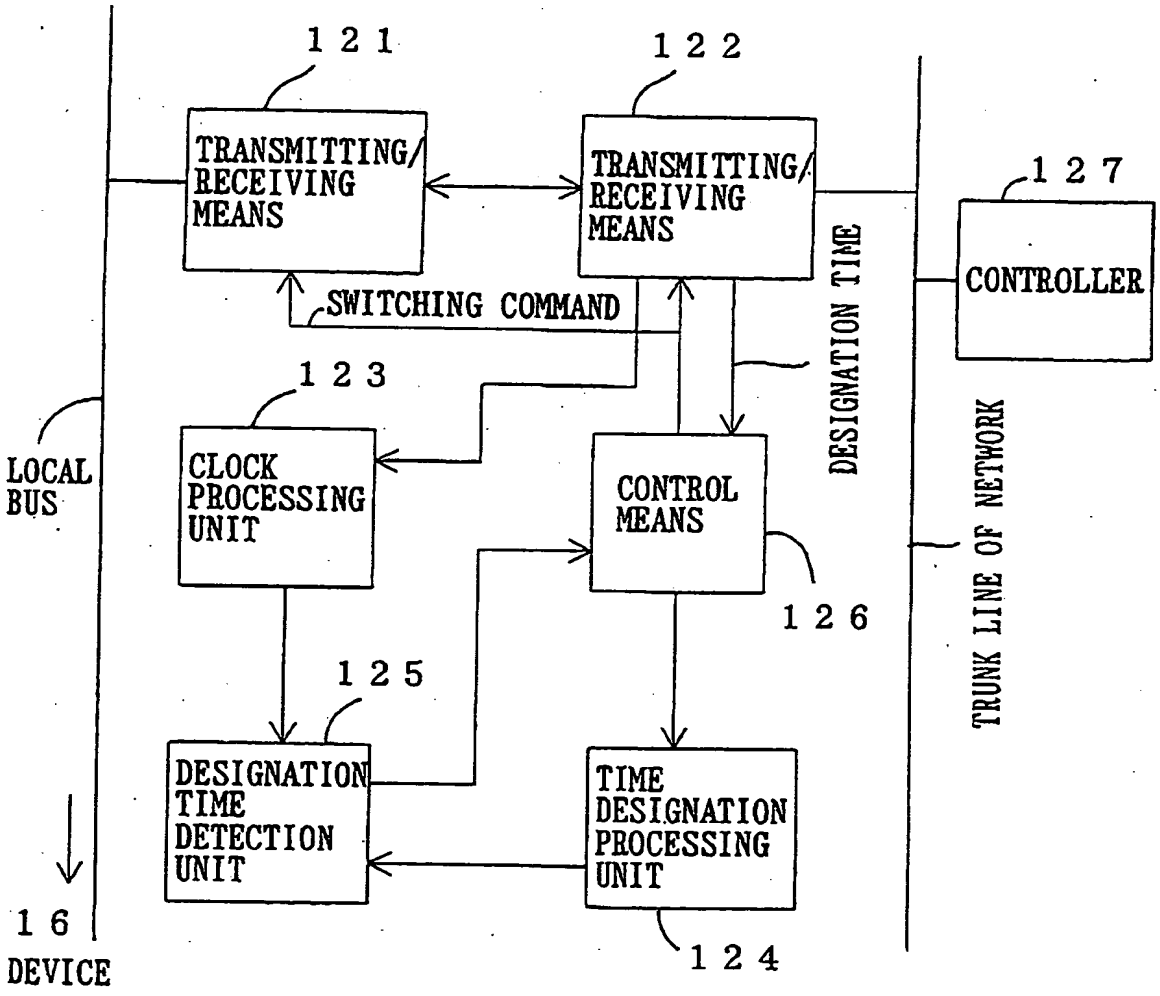

I FRAME
I FRAME
I FRAME
DATA GROUP
CONVENTIONAL DATA TRANSMITTING METHOD
I FRAME
I FRAME
I FRAME
FREE TIME
DATA GROUP
DATA TRANSMITTING METHOD ACCORDING TO THE PRESENT EMBODIMENT

FIG. 10



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